Week 20 Bio2 Warmups

Listed below are 4 statements about the carbon cycle. Identify which two statements are false and change the underlined word to make the statement true. (Use either short or long)

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| 1. | The short-term carbon cycle includes carbon trapped as fossil fuels. |
| 2. | Plants taking in CO2 during photosynthesis is part of the short-term carbon cycle. |
| 3. | The long-term carbon cycle contains carbon in the form of carbonates and limestone. |
| 4. | When animals breathe out carbon dioxide, it enters the long-term carbon cycle. |

Match each carbon form with a pool in which it can be found.

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| 1. | carbon dioxide | a. | plants |
| 2. | carbohydrates | b. | oceans |
| 3. | organic matter | c. | atmosphere |
| 4. | carbonates | d. | industry and vehicles |
| 5. | fossil fuel | e. | litter and waste |

Match each carbon movement to a process that could cause the movement.

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| 1. | plants to animals | a. | death |
| 2. | fossil fuels to industry and vehicles | b. | photosynthesis |
| 3. | plants to atmosphere | c. | consumption |
| 4. | atmosphere to plants | d. | mining |
| 5. | animals to litter and waste | e. | combustion |

Listed below are 4 statements about the nutrient cycles. Identify which two statements are false and change the underlined word to make the statement true. (Use carbon, nitrogen, or phosphorus)

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| 1. | The atmosphere is not part of the phosphorus cycle. |
| 2. | Global warming is an effect of burning too many fossil fuels on the nitrogen cycle. |
| 3. | Acid rain is a human-caused effect of pollution on the carbon cycle. |
| 4. | Excessive fertilizer use can negatively affect the nitrogen and phosphorus cycles. |

1. Describe one way in which humans can impact the carbon cycle.
2. Describe one way in which humans can impact the nitrogen or phosphorus cycles.